Mbsm.pro, Danfoss, Compressor, 1/4hp++, hbp, 1/3 hp-, Fr10g, 134a, 103g6880,103g6890, 220v/1ph/50-60h

Category: compressor

written by Lilianne | 17 January 2024



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Refrigerants: R134a, Compressor power supply [V]: 220/1/50 220/1/60

Product details

Gross weight 10.6 Kg
Net weight 10.6 Kg
Gross weight 10.6 Kg
Net weight 10.6 Kg

Auxiliary winding resistance (start winding) for single-phase compressors [0hm]

Auxiliary winding resistance (start winding) for single-phase compressors alt [0hm]

Brand technique

Reciprocating compressor

Capacity control

Fixed speed

Colour Compressor power supply [V] Configuration code Cut in current HST [A] Cut in current LST [A] Description Discharge connection angle [°]		Black 220/1/50 220/1/60 Single 10.9 A 15.1 A FR10G 25 °
Discharge connection comments		Al-cap
Discharge connection diameter [mm]		6.2 mm
Discharge connection material		Cu-plated steel
Economizer		No
Family		FR
Free gas volume [cm3]		1350 cm ³
Frequency [Hz]		50/60
Height from baseplate [mm]	_	191 mm
High value of nominal voltage at 50Hz [V]	_	230 V
High value of nominal voltage at 60Hz [V]	J	230 V
High value of voltage range at 50Hz [V]		254 V 254 V
High value of voltage range at 60Hz [V] In scope of WEEE and contain batteries		No
Length [mm]		243 mm
Liquid injection		No
Low value of nominal voltage at 50Hz [V]		220 V
Low value of nominal voltage at 60Hz [V]		220 V
Low value of voltage range at 50Hz [V]		198 V
Low value of voltage range at 60Hz [V]		198 V
LRA HST 60Hz [A]		10.9 A
LRA HST [A]		10.9 A
LRA LST [A]		10.5 A
Main winding resistance for single-phase [Ohm]	compressors	7.1
Model number		FR10G
Motor type	CSIR RSIR	
No. of phases (compressor)	1	
No. of phases (fan)	1	
Oil cooler connection comments	Rubber cap	
Oil cooler connection diameter [mm]	6.2 mm	
Oil cooler connection material	Copper	
Oil quantity [cm3]	450 cm ³	
Oil type	P0E	
Packing format	Industrial pac	K
Phase Process connection and o [°]	1 30 °	
Process connection angle [°] Process connection comments		
Process connection diameter [mm]	Al-cap 6.2 mm	
LINCESS CONNECTION ATQUETED [IIIIII]	U.Z IIIII	

Product group Product Name Description Refrigerant charge [kg] [Max] RLA Rotational speed at 50Hz [rpm] Rotational speed at 60Hz [rpm] Suction connection angle [°] Suction connection diameter [mm] Suction connection material Swept volume [cm3] Hermetic compressors Reciprocating compressor FR 0.9 kg 2.20 A 2900 rpm 3500 rpm 3500 rpm Cu-plated steel 9.05 cm³		
Refrigerant charge [kg] [Max] 0.9 kg RLA 2.20 A Rotational speed at 50Hz [rpm] 2900 rpm Rotational speed at 60Hz [rpm] 3500 rpm Suction connection angle [°] 30 ° Suction connection diameter [mm] 8.2 mm Suction connection material Cu-plated steel		
RLA Rotational speed at 50Hz [rpm] Rotational speed at 60Hz [rpm] Suction connection angle [°] Suction connection diameter [mm] Suction connection material Cu-plated steel		
Rotational speed at 50Hz [rpm] 2900 rpm Rotational speed at 60Hz [rpm] 3500 rpm Suction connection angle [°] 30 ° Suction connection diameter [mm] 8.2 mm Suction connection material Cu-plated steel		
Rotational speed at 60Hz [rpm] 3500 rpm Suction connection angle [°] 30 ° Suction connection diameter [mm] 8.2 mm Suction connection material Cu-plated steel		
Suction connection angle [°] 30 ° Suction connection diameter [mm] 8.2 mm Suction connection material Cu-plated steel		
Suction connection diameter [mm] 8.2 mm Suction connection material Cu-plated steel		
Suction connection material Cu-plated steel		
Swept volume [cm3] 9.05 cm ³		
	9.05 cm ³	
Technology Reciprocating		
Total height [mm] 196 mm		
Type FR10		
Voltage 50Hz [V] 220 V		
Voltage 50Hz [V] [Max] 240 V		
Voltage 60Hz [V] 220 V		
Voltage 60Hz [V] [Max] 240 V		
Width [mm] 156 mm		
Winding temperature short term [°C] [Max] 135 °C		
Winding temperature stat [°C] [Max] 125 °C		
Auxiliary winding resistance (start winding) for single-phase compressors [Ohm]		
Auxiliary winding resistance (start winding) for single-phase compressors alt [Ohm]		
Brand technique Reciprocating compresso	r	
Capacity control Fixed speed		
Colour Black		
Compressor power supply [V] 220/1/50 220/1/60		
Configuration code Single		
Cut in current HST [A] 10.9 A		
Cut in current LST [A] 15.1 A		
Description FR10G		
Discharge connection angle [°] 25 °		
Discharge connection comments Al-cap		
Discharge connection diameter [mm] 6.2 mm		
Discharge connection material Cu-plated steel		
Economizer No		
Family FR		
Free gas volume [cm3] 1350 cm ³		
Frequency [Hz] 50/60		
Height from baseplate [mm] 191 mm		
High value of nominal voltage at 50Hz [V] 230 V		
High value of nominal voltage at 60Hz [V] 230 V		
High value of voltage range at 50Hz [V] 254 V		
High value of voltage range at 60Hz [V] 254 V		

In scope of WEEE and contain batteries	No
Length [mm]	243 mm
Liquid injection	No
Low value of nominal voltage at 50Hz [V]	220 V
Low value of nominal voltage at 60Hz [V]	220 V
Low value of voltage range at 50Hz [V]	198 V
Low value of voltage range at 60Hz [V]	198 V
LRA HST 60Hz [A]	10.9 A
LRA HST [A]	10.9 A
LRA LST [A]	10.5 A
Main winding resistance for single-phase compressors	
[Ohm]	7.1
Model number	FR10G
	CSIR
Motor type	RSIR
No. of phases (compressor)	1
No. of phases (fan)	1
Oil cooler connection comments	Rubber cap
Oil cooler connection diameter [mm]	6.2 mm
Oil cooler connection material	Copper
Oil quantity [cm3]	450 cm ³
Oil type	POE
Packing format	Industrial pack
Phase	1
Process connection angle [°]	30 °
Process connection comments	Al-cap
Process connection diameter [mm]	6.2 mm
Process connection material	Cu-plated steel
Product group	Hermetic compressors
Product Name Description	Reciprocating compressor FR
Refrigerant charge [kg] [Max]	0.9 kg
RLA	2.20 A
Rotational speed at 50Hz [rpm]	2900 rpm
Rotational speed at 60Hz [rpm]	3500 rpm
Suction connection angle [°]	30 °
Suction connection diameter [mm]	8.2 mm
Suction connection material	Cu-plated steel
Swept volume [cm3]	9.05 cm ³
•	3.03 CIII
Technology	Reciprocating
Technology Total height [mm]	Reciprocating
Total height [mm]	196 mm
Total height [mm] Type	196 mm FR10
Total height [mm] Type Voltage 50Hz [V]	196 mm FR10 220 V
Total height [mm] Type Voltage 50Hz [V] Voltage 50Hz [V] [Max]	196 mm FR10 220 V 240 V
Total height [mm] Type Voltage 50Hz [V]	196 mm FR10 220 V

Winding temperature short term [°C] [Max] 135 °C
Winding temperature stat [°C] [Max] 125 °C

103G6890 Model FR10G Danfoss Hermetic Compressors

Specifications Colour Black Low value of nom inal voltage at 50 Hz [V] Low value of nom inal voltage at 60 Hz [V] Low value of volt age range at 60H z [V] Oil charge [L or K 450 Packing format Industrial pack Packing quantity Displacement (c 9.05 230V/1/50Hz Voltage/Frequenc Application energ y level Universal compressor Applications HBP; LBP; MBP Oil quantity [cm3] Cover electrics 103N2010 Cover electrics D COVER TL,NL,FR-220V escription Type designation Compressor Net weight 10.60 Private Picture Copyright: WWW.MBSM.PRO

